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<input type="checkbox"/>	L53	l24 and L52	1
<input type="checkbox"/>	L52	(l45 or l46 or l47 or l48 or L49) and l14	7998
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<input type="checkbox"/>	L48	434/153.ccls.	527
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<input type="checkbox"/>	L43	(geological near survey near maps)	16
<input type="checkbox"/>	L42	l14 and L41	1
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<input type="checkbox"/>	L36	((geographic near information near system\$) or gis)	16271
<input type="checkbox"/>	L35	(dot near maps)	54
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<input type="checkbox"/>	L32	l24 and L31	21
<input type="checkbox"/>	L31	l18 and L29	117
<input type="checkbox"/>	L30	l19 and L29	8
<input type="checkbox"/>	L29	(grid near location)	2604
<input type="checkbox"/>	L28	l23 and L24	18
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<input type="checkbox"/>	L26	l21 and L24	8
<input type="checkbox"/>	L25	l20 and L24	5
<input type="checkbox"/>	L24	(grid same location same media)	402

101684,966

┐	L23	l17 and l18	4775
┐	L22	l16 and l19	100
┐	L21	l17 and l19	489
┐	L20	l16 and l18	659
┐	L19	(media near (size or radius or distance))	4467
┐	L18	(media same (size or radius or distance))	97208
┐	L17	(media same (database\$ or (data adj1 base\$)))	32832
┐	L16	(media near (database\$ or (data adj1 base\$)))	2295
┐	L15	l12 and L14	8
┐	L14	((search\$ or quer\$ or request\$ or inquir\$ or enquir\$ or question\$) near (database\$ or (data adj1 base\$)))	69849
		<i>DB=PGPB,USPT,USOC; PLUR=NO; OP=OR</i>	
┐	L13	L12 and @ad<=20031016	165
┐	L12	(media near (dot or dots))	238
		(20020184180 20030009452 20030052913 20030093790 20030095096	
┐	L11	20040064476 20050055372 20050098023 20050193010 20060168340 20060195479 7220910).pn.	12
		<i>DB=PGPB; PLUR=NO; OP=OR</i>	
┐	L10	L9 and id	1
┐	L9	20050234870.pn.	1
		<i>DB=PGPB,USPT,USOC; PLUR=NO; OP=OR</i>	
┐	L8	L7 and (search\$ quer\$ or request\$ or inquir\$ or enquir\$)	12
┐	L7	L6 and (map with geograph\$ with location\$)	12
┐	L6	(media adj1 (database\$ or (data adj1 base\$)))	1562
┐	L5	L4 and media	1
┐	L4	20040225635.pn.	1
		(L1 or L2) and ((search\$ or request\$ or quer\$ or inquir\$ or enquir\$ or ask or asking or asked or question\$) with (database\$ or (data adj1 base\$)) with (map or maps) with (audio or video or multimedia))	15
┐	L3		
┐	L2	(map or maps).ab.	19301
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1 [Mining, indexing, and querying historical spatiotemporal data](#)



Nikos Mamoulis, Huiping Cao, George Kollios, Marios Hadjieleftheriou, Yufei Tao, David W. Cheung

 August 2004 **KDD '04**: Proceedings of the tenth ACM SIGKDD international conference on Knowledge discovery and data mining

Publisher: ACM

 Full text available: [pdf\(347.95 KB\)](#)

 Additional Information: [full citation](#), [abstract](#),

[references](#), [cited by](#), [index terms](#)

In many applications that track and analyze spatiotemporal data, movements obey periodic patterns; the objects follow the same routes (approximately) over regular time intervals. For example, people wake up at the same time and follow more or less the ...

Keywords: indexing, pattern mining, spatiotemporal data, trajectories

2 [Grid-Based Galaxy Morphology Analysis for the National Virtual Observatory](#)

Ewa Deelman, Raymond Plante, Carl Kesselman, Gurmeet Singh, Mei-Hui Su, Gretchen Greene, Robert Hanisch, Niall Gaffney, Antonio Volpicelli, James Annis, Vijay Sekhri, Tamas Budavari, Maria Nieto-Santisteban, William O'Mullane, David Bohlender, Tom McGlynn, Arnold Rots, Olga Pevunova

 November 2003 **SC '03**: Proceedings of the 2003 ACM/IEEE conference on Supercomputing

Publisher: IEEE Computer Society

 Full text available: [pdf\(357.64 KB\)](#) Additional Information: [full citation](#), [abstract](#), [cited by](#)

As part of the development of the National Virtual Observatory (NVO), a Data Grid for astronomy, we have developed a prototype science application to explore the dynamical history of galaxy clusters by analyzing the galaxies' morphologies. The purpose ...

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attrasoft.com

3

[Irregularity in multi-dimensional space-filling curves with applications](#)

in multimedia databases

Mohamed F. Mokbel, Walid G. Aref

October 2001 **CIKM '01: Proceedings of the tenth international conference on Information and knowledge management****Publisher:** ACMFull text available: [pdf\(1.53 MB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [cited by](#), [index terms](#)

A space-filling curve is a way of mapping the multi-dimensional space into the one-dimensional space. It acts like a thread that passes through every cell element (or pixel) in the N -dimensional space so that every cell is visited at least once. ...

4 Grid-partition index: a hybrid method for nearest-neighbor queries in wireless location-based services

Baihua Zheng, Jianliang Xu, Wang-Chien Lee, Lun Lee

January 2006 **The VLDB Journal – The International Journal on Very Large Data Bases**, Volume 15 Issue 1**Publisher:** Springer-Verlag New York, Inc.Full text available: [pdf\(1.03 MB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [cited by](#)

Traditional nearest-neighbor (NN) search is based on two basic indexing approaches: object-based indexing and solution-based indexing. The former is constructed based on the locations of data objects: using some distance heuristics on object locations. ...

Keywords: Continuous-nearest-neighbor search, Index structure, Location-dependent data, Nearest-neighbor search, Wireless broadcast

5 Range and kNN query processing for moving objects in grid model

Hae Don Chon, Divyakant Agrawal, Amr El Abbadi

August 2003 **Mobile Networks and Applications**, Volume 8 Issue 4**Publisher:** Kluwer Academic PublishersFull text available: [pdf\(210.77 KB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [cited by](#), [index terms](#)

With the growing popularity of mobile computing devices and wireless communications, managing dynamically changing information about moving objects is becoming feasible. In this paper, we implement a system that manages such information and propose two ...

Keywords: k nearest neighbors query, moving objects, range query

6 Spatio-temporal evolution: querying patterns of change in databases

Nassima Djafri, Alvaro A. A. Fernandes, Norman W. Paton, Tony Griffiths

November 2002 **GIS '02: Proceedings of the 10th ACM international symposium on Advances in geographic information systems****Publisher:** ACMFull text available: [pdf\(390.06 KB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [cited by](#), [index terms](#)

This paper contributes a general approach to characterizing patterns of change in a spatio-temporal database. While there is a particular interest in modelling and querying how spatio-temporal entities evolve, the approach contributed by the paper is ...


Keywords: spatio-temporal databases, spatio-temporal query

7 Illuminating micro geometry based on precomputed visibility

Wolfgang Heidrich, Katja Daubert, Jan Kautz, Hans-Peter Seidel

July 2000 **SIGGRAPH '00**: Proceedings of the 27th annual conference on Computer graphics and interactive techniques

Publisher: ACM Press/Addison-Wesley Publishing Co.

Full text available:  pdf(4.35 MB) Additional Information: [full citation](#), [abstract](#), [references](#), [cited by](#), [index terms](#)

Many researchers have been arguing that geometry, bump maps, and BRDFs present a hierarchy of detail that should be exploited for efficient rendering purposes. In practice however, this is often not possible due to inconsistencies in the illumination ...


Keywords: Monte Carlo techniques, frame buffer tricks, graphics hardware, illumination effects, reflectance & shading models, texture mapping

8 An efficient nearest neighbor algorithm for P2P settings

Egemen Tanin, Deepa Nayar, Hanan Samet

May 2005 **dg.o2005**: Proceedings of the 2005 national conference on Digital government research

Publisher: Digital Government Research Center

Full text available:  pdf(257.39 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [cited by](#), [index terms](#)

New Peer-to-Peer (P2P) applications like P2P job-employee seeker networks and P2P virtual cities, for application domains such as collaborative urban planning and forming virtual communities, are about to emerge. An important component in these applications ...

Keywords: geographic information systems, nearest neighbor query, peer-to-peer networks, quadtree, spatial data


9 Learning the semantics of multimedia queries and concepts from a small number of examples



Apostol (Paul) Natsev, Milind R. Naphade, Jelena Tešić

November 2005 **MULTIMEDIA '05**: Proceedings of the 13th annual ACM international conference on Multimedia

Publisher: ACM

Full text available:  pdf(533.74 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [cited by](#), [index terms](#)

In this paper we unify two supposedly distinct tasks in multimedia retrieval. One task involves answering queries with a few examples. The other involves learning models for semantic concepts, also with a few

examples. In our view these two tasks are ...

Keywords: MECBR, TRECVID, semantics, support vector machines

10 Multidimensional access methods



Volker Gaede, Oliver Günther

June 1998 **ACM Computing Surveys (CSUR)**, Volume 30 Issue 2

Publisher: ACM

Full text available: pdf(1.05 MB) Additional Information: [full citation](#), [abstract](#), [references](#),
[cited by](#), [index terms](#)

Search operations in databases require special support at the physical level. This is true for conventional databases as well as spatial databases, where typical search operations include the point query (find all objects that contain ...

Keywords: data structures, multidimensional access methods

11 Low latency photon mapping using block hashing

Vincent C. H. Ma, Michael D. McCool

September 2002 **HWWS '02: Proceedings of the ACM**

SIGGRAPH/EUROGRAPHICS conference on Graphics
hardware

Publisher: Eurographics Association

Full text available: pdf(3.10 MB) Additional Information: [full citation](#), [abstract](#), [references](#),
[cited by](#), [index terms](#)

For hardware accelerated rendering, photon mapping is especially useful for simulating caustic lighting effects on non-Lambertian surfaces. However, an efficient hardware algorithm for the computation of the k nearest neighbours to a sample point is ...

12 VOR base stations for indoor 802.11 positioning



Dragoş Niculescu, Badri Nath

September 2004 **MobiCom '04: Proceedings of the 10th annual international conference on Mobile computing and networking**

Publisher: ACM

Full text available: pdf(732.15 KB) Additional Information: [full citation](#), [abstract](#),
[references](#), [cited by](#), [index terms](#)

Angle of arrival (AOA) has previously been used for outdoor positioning in aircraft navigation and for services like E911. For indoor positioning, the best schemes to date rely either on extensive infrastructure, or on sampling of the signal strength ...

Keywords: 802.11, AOA, VOR, VORBA, indoor positioning, ranging


13 Ad-hoc top-k query answering for data streams

Gautam Das, Dimitrios Gunopulos, Nick Koudas, Nikos Sarkas

September 2007 **VLDB '07: Proceedings of the 33rd international conference**

on Very large data bases

Publisher: VLDB Endowment

Full text available:  pdf(400.38 KB) Additional Information: [full citation](#), [abstract](#),
[references](#)


A top- k query retrieves the k highest scoring tuples from a data set with respect to a scoring function defined on the attributes of a tuple. The efficient evaluation of top- k queries has been an active research topic and many different ...

14 Visual structures for image browsing



Ricardo S. Torres, Celmar G. Silva, Claudia B. Medeiros, Heloisa V. Rocha
November 2003 **CIKM '03: Proceedings of the twelfth international
conference on Information and knowledge management**

Publisher: ACM

Full text available:  pdf(463.07 KB) Additional Information: [full citation](#), [abstract](#),
[references](#), [cited by](#), [index
terms](#)

Content-Based Image Retrieval (CBIR) presents several challenges and has been subject to extensive research from many domains, such as image processing or database systems. Database researchers are concerned with indexing and querying, whereas image ...


Keywords: content-based Image retrieval (CBIR), focus+context views, image browsing, information visualization, visual structures

15 Unified framework for fast exact and approximate search in dissimilarity spaces



Tomáš Skopal
November 2007 **ACM Transactions on Database Systems (TODS)**,
Volume 32 Issue 4

Publisher: ACM

Full text available:  pdf(1.74 MB) Additional Information: [full citation](#), [abstract](#), [references](#),
[index terms](#)


In multimedia systems we usually need to retrieve database (DB) objects based on their similarity to a query object, while the similarity assessment is provided by a measure which defines a (dis)similarity score for every pair of DB objects. In most ...

Keywords: Similarity retrieval, approximate and exact search

16 Using a distributed quadtree index in peer-to-peer networks

Egemen Tanin, Aaron Harwood, Hanan Samet
April 2007 **The VLDB Journal — The International Journal on Very
Large Data Bases**, Volume 16 Issue 2

Publisher: Springer-Verlag New York, Inc.

Full text available:  pdf(479.06 KB) Additional Information: [full citation](#), [abstract](#),
[references](#), [index terms](#)

Peer-to-peer (P2P) networks have become a powerful means for online data exchange. Currently, users are primarily utilizing these networks to perform exact-match queries and retrieve complete files. However,

future more data intensive applications, such ...

Keywords: Distributed data structures, Peer-to-peer networks, Quadrees, Spatial data structures

17 TinyDB: an acquisitional query processing system for sensor networks



Samuel R. Madden, Michael J. Franklin, Joseph M. Hellerstein, Wei Hong
March 2005 **ACM Transactions on Database Systems (TODS)**, Volume 30
Issue 1

Publisher: ACM

Full text available: pdf(1.67 MB) Additional Information: [full citation](#), [abstract](#), [references](#),
[cited by](#), [index terms](#), [review](#)

We discuss the design of an acquisitional query processor for data collection in sensor networks. Acquisitional issues are those that pertain to where, when, and how often data is physically acquired (*sampled*) and delivered to query processing ...

Keywords: Query processing, data acquisition, sensor networks

18 Supporting location-based conditions in access control policies



Claudio A. Ardagna, Marco Cremonini, Ernesto Damiani, Sabrina De Capitani di Vimercati, Pierangela Samarati
March 2006 **ASIACCS '06: Proceedings of the 2006 ACM Symposium on Information, computer and communications security**

Publisher: ACM

Full text available: pdf(347.30 KB) Additional Information: [full citation](#), [abstract](#),
[references](#), [cited by](#), [index terms](#)

Location-based Access Control (LBAC) techniques allow taking users' physical location into account when determining their access privileges. In this paper, we present an approach to LBAC aimed at integrating location-based conditions along with ...

Keywords: access control, location-based services, mobile system

19 A case study in building layered DHT applications



Yatin Chawathe, Sriram Ramabhadran, Sylvia Ratnasamy, Anthony LaMarca, Scott Shenker, Joseph Hellerstein
August 2005 **SIGCOMM '05: Proceedings of the 2005 conference on Applications, technologies, architectures, and protocols for computer communications**

Publisher: ACM

Full text available: pdf(564.28 KB) Additional Information: [full citation](#), [abstract](#),
[references](#), [cited by](#), [index terms](#)

Recent research has shown that one can use Distributed Hash Tables (DHTs) to build scalable, robust and efficient applications. One question that is often left unanswered is that of simplicity of implementation and deployment. In this paper, we explore ...

Keywords: DHTs, layering, range queries

20 Proceedings of the 6th ACM international conference on Image and video retrieval



Nicu Sebe, Marcel Worring
July 2007 proceeding

Publisher: ACM

Additional Information: [full citation](#), [abstract](#)

Welcome to the ACM International Conference on Image and Video Retrieval, CIVR 2007. After 5 editions, the CIVR conference has now become an official ACM Conference and an IAPR co-sponsored event. The conference is one of the most important and influential ...

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IET JNL IET Journal or Magazine

IEEE CNF IEEE Conference Proceeding

IET CNF IET Conference Proceeding

IEEE STD IEEE Standard

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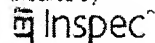
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 Tianlei Wu; Shaoping Ma;
 Document Analysis and Recognition, 2003. Proceedings. Seventh International Conference on, 3-6 Aug. 2003 Page(s):529 - 533 vol.1
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